

Oct 9, 1988 - La Paz - pop 120,000.
Temp 90° F

Valle de Perito -

Lunch stop - photographed ^{nest} ~~nest~~ (Pacheco's) shaped as a pine cone ~~also~~
also played tape - Mexican music - Temp in car 100 - Breeze and in shade -
Great beginning! Photograph of little white church. Had a
swim, then a Margarita at Hotel de las Arenas - at
Punta Arenas ^{sand} - back to La Paz after helping 4 men with broken
car - and dinner - and campground -

Oct. 10. La Paz - Spent am sorting out 'ie getting organized - Went to
supermarket & bakery - Then to get tickets for ferry trip to La Paz - Had
been told that we'd have a ^(cabin w bath) stateroom only to find that this ferry
was cargo and that we'd have to sit up all night. Ferry to leave
at 7 - we were to be dockside at 8 pm. Ferry finally left at 9 pm -
The loading/unloading was quite an operation - The large trucks
were on top and had to back up & turn around & come down a ramp.
We had to back up the ramp. Operation was well organized - ±
Rab & Paula had the good fortune to sleep in an empty truck under
the stars - Ed slept in car. Ctr all in all - very interesting - a 16 hr
trip - Also shopped in pm & bought wooden fish.

Tues. Oct. 11 - Day was long/hot - humid - We got out of our truck sleeping
area and then started the long day - People were sleeping everywhere - some
came equipped with cots, other w blankets & pads - The lounge had padded
chairs semi-reclining and it was full. Finally arrived in Mazatlan
around 3 pm but took hr or so to unload - bottom first & we were 2nd
off of top. Looked for motel at Hotel Strip & decided on the Sando - La Arena -

Wed. Oct 12 - Clean, rested & showered and cooled off by air conditioning - left
at 7 am to head south to find Zapolotla. Zapolotla was to be off of Ruiz -
so followed Hwy 15 south - Ruiz had RR and then headed east over very bumpy
road. Stopped at 1 pm by road work and collected. After the 2 hrs - bulldozer got rid

La Paz →
Mazatlan
via ferry

Mazatlan

Mazatlan →
Ruiz

Oct 12 cont.

scraped the log pit holes & we went thru red sliny mud to H.S. Continued up very rocky road w/ pit holes along a river & then crossed to side river - Arago - Continued looking for embryos along steep side cliffs & also checking for camping sites. Finally turned around as vegetation became less diverse. Decided to camp near bridge but El suggested that we not set up camp until dark as we'd be less conspicuous. Great idea - as road had lots of track/bush/pick-up track traffic. Finally among last pick-up truck stopped & young man speaking excellent English asked us what we were doing & figured out that we'd be spending the night there. Then, at least to my surprise, he told us tales of several robberies and advised us to move on. We asked him where there would be a good suitable spot - he thought & finally suggested his place - last house in Ruiz! So he was ^{staying} pulling a truck w/o engine - and we decided to follow as it was getting dark. Arrived at his place completely with locked gate, high chain link fence & barbed wire across top! Set up camp with some difficulty - over lumpy grass - very hot & humid - beautiful lightning back in the hills.

Oct 13 - Thurs. Left Ruiz [→] Puerto Vallarta [→] Tepic - Hwy 15 began to climb w/ curves & many trucks. Stopped at collecting spot ~ 10³⁰ → Had to drive at night to Puerto Vallarta

Spent night at Puerto Vallarta in a motel - met Dick Penrose entomologist from Sacramento & Frank? from L.A. Both had been collecting at Chamela Biological Institute and their collection boxes filled us with great desire. Had mostly ^{cerambycids} ~~cerambycids~~ green metallic ones and a number of very large (3" ±) lucanids - live.

Oct 14 - Fri - Puerto Vallarta → Chamela - (changed from Hwy 15 to Hwy 200)

Ate bkfst at ? - left at 8am - Money exchangers were not open until 9am so we left w/o money - Paula getting a bit paranoid about that situation. Stopped to collect around 10³⁰ with some felled oak and manizales/dahlias - Very hot - hopefully I found one TP or at least a *desmurae* - On to find Chamela which was a bit of a challenge - since we hadn't asked so went up some rocky side roads ^{Continuing} ~~Going~~ along the highway - no trouble finding

Oct 14th Contd. &

The field station. Finally convinced the people in charge that they should let us stay and we did. Night collecting was exciting - Ed's collecting was fruitful - Bob & I did not. Rooms had nice fans over bed so sleeping was comfortable.

Sat Oct. 15. Chamela - Had bkfst of eggs & refried beans and started ~ 9am down a ^{dirt} road - all 3 of us. Found many small black ^{Cerambycidae} ~~Cerambycidae~~ on flowers - flying low - also Acmaedera (Buprestidae). Collected up & down road until back at station/room at 2pm. Ed collected a few of the lg Asilids - mimic of Pepsi. It was hot & humid. Noon meal consisted of octopus, rice & salad w/ flan for dessert. Ed collected in pm - Bob a little - Paula was tired - did wash, organized etc. It gets dark about ~~7pm~~ ^{7:30} Mtn Time. After lunch we viewed the collection which consists mainly of Coleoptera esp. Cerambycidae, and the Hymenoptera consists ^{primarily} of Vespid - esp. Eumenidae, and Apoidea. Few specimens are identified. The curation ^{is} excellent as are the working conditions i.e. air-conditioned room, Zeiss scopes - library. About 288 people working here.

Sun ~~Sat~~ Oct. 16 - Chamela - Spent entire day here - collecting. Ed went out to look for embirds - Bob & I headed down another road. There was barely a cloud in the sky so the day was hot. The routine here is bkfst (omelette & beans & ban) 7-9am - Main meal at 2:30 - and a very light supper 7-9pm. We light collected - also ran a load of wash & ~~dried~~ ^{dried} it - What a pleasant luxury. Bob caught a big ♂ scarab. - Oh my!

Mon. Oct. 17 Up at 6am - just getting light - Ed up checking the light traps - Chamela to Antón Evidently the toads pick up (eat) the insects that landed on the ground; later the tame birds came and picked as they could reach. Bkfst consisted of fruit - bananas & apples sliced w/ cream? & tortillas cut in tomato sauce w/ a dried cheese & onions. Since Ed had paid the night before & had shown his photo album to the "chief" - he was considerably impressed & more

Mon Oct 17 - cont.

and friendly. Carlos, the "hummingbird man" also had a look at the photos - So without too much fuss we left about 8am. Drove Hwy 200 to junction of Hwy 80 which goes to Guadalajara via Autlán. In the region of Autlán one is supposed to find the corn ancestor and as we began to climb into the hills - 1000±m we found some. Made many collecting stops - lots of heavy traffic - buses to Manzanillo and truchos - At summit the area was oak forest, and the mtn tops were obscured w misty clouds. At 4pm reached summit - Ed still collecting - finding embiids - Paula Boh collecting in orange flowers finding many cerambycids. Finally landed in ^{pop. 42,000.} Autlán & found motel & dinner. Took pictures of cathedral.

Tues. Oct 18 - Autlán → Colima -

Dining room not open so we left. Soon found a long rock wall for Ed's search - Took picture of shrine by which we parked. Weather cast for a welcome change - Stopped along Hwy 80 several times - Finally got "lost" in a town because of a new freeway construction - but when we entered freeway it was divided & ex. pavement. The toll booth was still incomplete so no toll - Drove long afternoon to Colima and found nice motel - Motel Las Candelas. Ed & Paula had quick swim before dinner - and so soaked

Wed Oct 19 - Colima → Tamazula - Jalisco

Had bkfst - stopped along road early & Ed found new genus? Drove on with nice lunch stop and ^{to} a side road by a bridge where Ed had collected before ^{where} we stopped. Collected for 4 hours. This was main point of trip for collecting.

Unfortunately Ed was unsuccessful in search of his "special" embiid - So we headed for a town at dusk - Had flat tire! Changed it and with great luck the people where we changed the tire led us to a very nice - Hotel - Real de la Loma - Watched world series.

Oct 20 - Thurs. Tamazula → beyond Zamora - (Cabañas Manolo)

Ed Spent am having tire fixed and wheels balanced & aligned - also went to the bank - So got late start. Collected near Manzanillo ^{town}

Oct 20 - Thurs. - Tamazula to near Zamora (15 m se)

in pine forest. Our highest elevation around 7000' (2000 m). Collecting was minimal. So drove on - finally stopped at Cabana ~~de~~ Manala - Had quesadillas & great salad of cucumber, jicama & oranges with salt & lime. Interesting grounds - swimming pool (empty) playground - We ate outside. On on Hwy 15 in state of Michoacan.

~~Fri. Oct. 21~~ - Took photo of Bob's legs w chigger bites - photo of old Hacienda

Fri Oct. 21 - Had trouble starting car as it was cold, wet etc - Got under way and collected at Stop 1 Rest of day - photos of Indian Paintbrush-like flowers and on to Patzcuaro - market and art gallery. Camped out at Trailer Park - very wet -

Sat Oct 22 - Patzcuaro → Tuxpan

As usual, got up & ready to leave since everything was wet & misty. Stopped for one photo of misty lake & peak - Gray morning. Reached Morelia & had bkfst. There was a Denaya, a super market & shopping center & more under construction. A little further on reached Nat. Park for collection purposes. Bob and I found almost no resort to digging in horse dung for scarabs & finally found nest of ? lge. sphexid. 3 men came along & wanted to know if we wanted to go for a horseback ride or if we had a family & would our children want to ride. A little later we saw a family doing same - Mom & Dad walking - kids getting a slow ^{horseback} horse ride. Weather overcast.

Sun Oct 23 - Tuxpan → Leon

Return or turn north at 10²⁵ am

Spent most of the day driving north west through large agricultural plots of corn, sorghum. Later there seemed to be fields of onions, etc & toward Leon many small stands selling strawberries & ^{cream} ~~cream~~. Tall roads most of the day - some divided - some unfinished. Stopped at roadside stand selling pots - photos.

Started to settle financial account & made phone calls to US.

Mon Oct. 24 Leon → Hwy 45 → Zacatecas
~~Stop~~ ⁵ km north Leon - mistletoe stop - photo - some collecting - thorn bush - dry ~~8200~~ ⁹⁶⁰⁰ m
~~7900' as low~~ -

Photo stop of mistletoe. Had to retrace our way to find correct road - On through or by Aguas Calientes - collected in scrub oak. Car problems worsened - Decided to have fuel pump repaired or replaced - Finished at 7¹⁵!

Tues. Oct. 25 Zacatecas → Nat. Park Camp out of Durango.

Long day of driving through agricultural lands - Guide book says cotton, sorghum, corn (of course) rice - most of the land was fallow. Nat. Park - was closed behind closed gate - no one else seemed to be there. We camped - among pine trees - elevation about 7500'. Frost in the next morning - took shadow photos -

Wed Oct. 26 - Camp → Mazatlan -

Decided to drive back to warmer climate and hopefully better collecting. The road was very windy, many trucks and sometimes spectacular scenery. Collected along the roadside several times - not much success with Embiids.

Thurs. Oct. 27 - Mazatlan → Guaymas / San Carlos Bay -

Long day of driving - part of it along the new Hwy 1 which is a divided toll road with good pavement.

Many new buildings - condominiums / hotels etc in San Carlos Bay.

Fri. Oct 28 - San Carlos Bay → Tucson

Collected in the morning in a lovely palm canyon beyond the air strip. It was dry and hot - so we decided that collecting would be better earlier in the year. Mexican customs waved us through quickly. U.S. Customs did a

Oct. 28 cont'd -

rather thorough search. We chatted a bit about the drug problem with customs man saying that the mountains east of Tucson (the Santa Ritas) were known as "cocaine alley".

Oct. 29 - Tucson → Las Vegas. Sat.

Spent morning in Sonoran Desert Museum.

Las Vegas - Lee Vining - Oct 30 - Sunday.

Hwy 95 north and turned off Hwy 266 through Westgard Pass - collected rocks - great day!

Oct 31 - Monday -

With luck Tioga Pass was still open and we drove back to the bay area via Hwy 120. Stopped and bought pumpkins.

Great trip — ! Had a wonderful adventure time.
Thanks!

1988-89 MEXICO TRIP *

(Cost of vehicle overhead and ^{its} preparation not charged to joint expenses.)

		Ron	Ed
Dec. 23	Gas (Ed) -----	15.00	<u>15.00</u>
Dec. 26	Gas (Ron) Pacheco Pass -----	24.45 ✓	
	Gas (Ron) Beaumont -----	25.81 ✓	
	Food (Ed) Banning -----		<u>3.80</u>
	Dinner (Ron) " -----	12.60 ✓	
	Motel (Ed) Holtville -----		<u>26.00</u>
Dec. 27	Gas (Ron) Gila Bend -----	27.40 ✓	
	Mus (Ron) Tucson -----	12.00 ✓	
	Lunch " " -----	5.58 ✓	
	Provisions " Nogales -----	69.28	
	" " " -----	7.31	
	Motel (Ed) " -----		<u>38.00</u>
	Mex insurance " (Ron) -----	75.25	
Dec. 28	Breakfast (Ron) " -----	6.06	
	Border tips " " -----	3.00	
	Gas 60 mi N. Hermosillo -----	67,500 p	
	Hotel Los Mochis + Dinner -----	117,500 p	
Dec. 29	Gas " " -----	51,000	
	Road tolls (Ron) -----	3,800	
	Gas -----		<u>42,800</u>
	Fruit (Ron) -----	13,000	
	" (Ron) -----		<u>2,400</u>
Dec. 30	Gas Chapallita -----	39,000	
Dec. 31	Toll -----	2,300	
	Fruit -----		<u>7,000</u>

TOTAL \$
 Ron 268.74
 Ed 82.80

MEXICO ↓
 \$51.82 VISA

109,100 237,200

* Underlined figures are "Ed"
 Bracketed figures are Ed only — not charged to joint expenses

		Ron	£
Jan 1	Gas La Huerta	-----	<u>48,000</u>
	Motel Tamazula	-----	<u>41,000</u>
	Dinner " 2,000	-----	<u>13,000</u>
	Phone call (Ross only) "	-----	<u>[267,000]</u>
Jan 2	Gas Santiago Tangamandapio	-----	<u>50,000</u>
Jan 3	Food Morelia	-----	<u>36,122</u>
	Lunch Patzcuaro (Ross treat)	-----	<u>[32,000]</u>
	Camp fee Parque Nec. (Ed)	-----	<u>8,000</u>
Jan 4	Food (Ed)	-----	<u>7,000</u>
Jan 5	Parking guard (Ed) Rosario	-----	<u>10,000</u>
Monarch trip	Posters (Ed only) "	-----	<u>[25,000]</u>
	Guide fee (Ron) "	-----	<u>30,000</u>
	Entrance fee " "	-----	<u>5,000</u>
	Porters " "	-----	<u>4,000</u>
	Motel Quinta Mitzi Tuxpan (Ed)	-----	<u>\$67.00</u>
	Tip " " " (Ron)	-----	<u>10,000</u>
Jan 6	Gas + additive Zitacuaro (Ed)	-----	<u>59,000</u>
	Food Valle de Bravo (Ed)	-----	<u>7,500</u>
Jan 7	Beer (Ed) Tuxco	-----	<u>7,000</u>
	Lunch (Ed only) "	-----	<u>[11,500]</u>
	Tip (Ron) "	-----	<u>3,000</u>
	Gas (Cuernavaca) (Ed)	-----	<u>47,400</u>
	Trailer Court " (Ron)	-----	<u>17,000</u>
	Food (Ron) (mule)	-----	<u>7,000</u>
Jan 8	Oaxaca trailer park (Ed)	-----	<u>18,000</u>
	Beer " (Ron)	-----	

Voucher at La Salvia 389.71

price Ron 439,600

Ed 648.222

Jan 9 Gas (Oaxaca) (Ron) ----- 50,000
Food (Valle Nacional) (Ed) ----- 2,500

Jan 10 Road toll (Ron) ----- 1,500
Fruit (Ron) ----- 500

Fruit (Ed) ----- 1,000

Gas (Orizaba) (Ron) ----- 50,000

" additive + tip (Ed) ----- 3,500

3 road tolls (Ron) ----- 9,700

Motel (Pachuca) (Ed) ----- 17,000

Jan 11 Gas (Hwy 175) (Ed) ----- 5,000

(Ron) ----- 43,000

Gas (Aldama) (Ed) ----- 30,000

Jan 12 US Bridge toll (Ed) ----- 90¢

Food (Ron) ----- 11.41

Lunch [Ed only] ----- [2.93]

Gas (Carizo Sprgs) (Ed) ----- 21.85

Jan 13 Breakfast (Ed only) ----- [2.84]

Repairs (Ron) ----- 17.18

Gas (Sanderson) (Ed) ----- 25.00

Gas (Las Cruces) (Ed) ----- 27.30

Dinner + tips " (Ed only) ----- [7.74]

Motel " (Ed) ----- 32.03

Jan 14 Breakfast [Dimming] [Ed only] ----- [2.78]

Gas (Pisacho) (Ed) ----- 25.26

Gas (Indio) (Ron) ----- 29.00

Dinner (Palmdale) (Ed only) ----- [7.67]

Motel " (Ed) ----- 31.67

Food (Ron) ----- 2.74

↓ USA

Jan 15 Breakfast (Palmdale) (Ed only) - - - - - [7.04]
Gas (Lost Hills) (Ed) - - - - - 28.68

Home

Note: Some expenses, such as tolls, are added together to record one amount on spread sheet.

26983	Gilroy
20495	
<u>6488</u>	
	finish total

1988-89 MEXICO TRIP

Dec.	23	GASOLINE - MILL VALLEY	-----	\$15.00
Dec	26	Gas Pacheco Pass Ron paid	-----	24.45
		(Started with Ron from San Jose at 9:30 +-)		
		Gas Beaumont Ron paid	20895.4	25.81
		Fruit drink, Banning	-----	3.80
		Dinner " Ron paid	-----	12.60
		Motel @ Holtville, Ca. Ron pd	-----	26.00
Dec	27	21040 mi. 6:45 A.M.		
		Gas, Sila Bend Ron paid	21206.2	27.40
		Inson Desert Mus " "		12.00
		Lunch for 2 " "		5.58
		Nogales Safeway Ron		69.28
		" Commission on exchange (separate)		
		Food Revco " "		7.31
		Motel Ed's Visa	-----	38 +-
Dec	28	Breakfast - Ron	-----	6.06
		Tips at border Ron	-----	3.00
		Gas 60 mi. N. Hermosillo 21551 Ross	67,500 p	
		Insurance Ron	-----	\$75.25
		Hotel Los Mochis + dinner Ross Visa	117,500 p	
Dec	29	Los Mochis hotel start		
		" " Gas - Ron	-----	50,000
		Stop 1 small emboid La Cruz Justina 2 mi S 150 M 1 vial		
		(dead boa, thorn jungle, wood -		
		3 tobs Ron	-----	3800 p.
		Gas - Ross	-----	42800
		Fruit - Ron	-----	13,000
		" - Ross	-----	2400

Exchange rate
280 / 1
21 +
\$300
= 684,000

Dec. 30 Had camped at roadside restaurant SW Chapallilla
 Stop 2 1275 m oak forest
 Culture tepicensis Zopherus alive photos
 Gas Chapalla 22386 - Ron - - - 39,000

Dec 31 Stop 3 600 m photos cyn vegetation
 all at Chamela Toll - Ron - - - 2,300
 Fruit (Ed) (photo fruit stand) - - - 7,000
 Photos S. of Chamela La Huerta
 Jan 1 1989 Gas at junction to El Rincon (Ed) 48,000
 Yellow tree 10 mi S. El Rincon 200 m
 View of Corn range beyond "
 Yellow silk cotton + be hives SW side 900 m
 Puerto Mazo
Pachylembia Micronidas San Francisco junction 1025 m
 about 10 km NE Antlin big webs stones along wall
 shaded 3 adult ♀ egg mass under surface stone
 Agave fields
 Town with church APULCO
 Late views of Tamazula
 Motel Ron - - - 41,000
 Dinner Ross 13000 RON 2,000

Embrioids ① Oak forest, grazed, dry Platyembia in and under
 loose bark of fresh Oak fence posts. All in about
 3rd instar Just SW of Puerto dos Mazos

1/1/89

- ② Under stones same place. shaded slope oak forest
 narrow webs only 2 small nymphs
 ③ Pachylembia see above

Jan 2 Ross owes 121.18 Each of us has spent \$273.78 to date
Telephone call to Sandy VISA 267,000 pesos!
\$6.17 per minute #117.21 for 19 minutes
at Hotel Real de la Loma
Collected 5 km S.W. Tecalitlán 1200 M photos
Las Cabanas 1900 M (no collecting).
Scenes in Mazamitla
Rock wall stop 22926 2000 M
20 km W. Jiquilpan
Camped next to Padre's house at Santiago
Gas - Ross - - - - - Tanguamandapio 50,000

Jan 3
Statues near TANGAN fish 20,000 p
Collecting 2000 m 3033 embiid webs stones + matted oak leaves
10 mi E. ZACAPU type loc 10 mi E. Quiroga 2100 M
town on lake Chupicuaro
Photos church yard and ruins town = TZINTZUNTZA N of Patzcuaro
" in Patzcuaro = Tarascan ruins and capital
Ford Morelia (Ross) - - - - - 36,122 p
Art in Patzcuaro (VISA) \$380 24,740
(CUADRO HO'CHOL de Nayarit 870,000
Lunch in Patzcuaro - - - - - (Ross) treat 32,000
Camped in Parque Mac. ~~about 10 mi E. Morelia~~ Ross fee 8,000
23 km E Morelia

Don Vasco de Quiroga

Mich. Tzintzuntla
E.S. Ross Jan-89

Jan 4 photo Cassid " "
house + flowers Las Peras
Church houses etc. Ent Cumbre 2675 M
Thistle Mirador de Carnica also Duddleya 2875
Food - - - - - 7000 p.
Stayed at Metzís

Jan 5 Views of Ocampo 2350 m
 about 6 rolls at Monarchs and
 near Rosario series ends with wall sign in Ocampo
 night at Mitzi's

10,000 E
 R
 30,000
 5,000
 4,000

parking guard (Ed) - - - - - 10,000
 Posters - art on monarchs (Ed only) - - 25,000
 guide fee (Ron) - - - - - 30,000
 entrance bus (Ron) - - - - - 5,000
 carriers -- (Ron) - - - - - 4,000
 Motel Q Mitzi Tuxpan (Ed) - - - - - \$67,00
 Tip (Ron) - - - - - 10,000

Jan 6 Left Tuxpan 7:45 1725 M 23241
 embold site 1♀ + eggs 1825 m 3 km E T.

Zitacuaro gas (Ed) + additive 59,000
 Valle de Bravo pellow - - - - - 17,000
 Food " " (Ed) - - - - - 7,300
 " " " photo houses + ladybird

Stop 1 23319 1175 M lupines etc
 " photos Melanostoma to Pines-oaks bromeliads damp cyp
 Volcan

Views of Tamasaltepec 23328
 View of Tejusilco de Hidalgo 1400 m

camped behind Pemex Stat Arcelia

Mich. Temascaltepec
 E.S. Ross Jan-89

Jan 7 Bee hives near Teicopan Gro + white tree 1000 m

Taxco photos beer (Ed) - - - - - 7,000
 Lunch for Ed only - - - - - 11,500
 Gas Cuernavaca (Ed) - - - - - 47,400
 Trailer count Ron - - - - - 17,000
 Nuts (Ron) - - - - - 7,000

Tip to
 Musicians (Ron)
 3,000

Ed. 7420

Jan 8 Left Cuernavaca
Popa from 10 mi S. of Cuatla 1400 m
Scenes + flowers +- 10 mi S. dz. de Matamoros 1350 m
Cactus 23704 1100 m Km 103
Shot from bridge
Trails Court (Rm) 17,000

(3711 mi = Tehuizingo)

Amatiglan = 23733

Photos in market Acatlan = 23736

23750 = Petlazingo

Church, donkey & corn crib in valley Chila 1700 m 23760

23775 = Huajuapam

Erosion 20 km N Nochiatlan 2450 m

Church & erosion Yanhuitlan Colonial XVI century

23741 = Solano de lasua (2200 meters) on oak??

Oaxaca Trailer Park (Ed) - - - - - 18,000 p

Jan 9 Giant tree at Tule 2000 yrs

Oaxaca gas 23931 (Rm) 50,000

Hwy 175 just E Cambrus 2600 m photos mistletoe, lobelia

club moss & scene Chelidonium in moss shaded rd blk

2 cultures 1 large 1 small about 5 mature ff

El Resento 23951

Bromeliads etc. manzanita 23953 2300 m

distant village 957

Galatao (967 mi) Flowers lupinus paint brushes 978 2575 m

Jan 9 End roll 21 23988
 22 Pine ridge, pine top cloud bank 2850 m
 Mirador 23998
 Cloud forest & salal 999 ~~28~~ 2750 m
 sphagnum Moss forest club moss etc. 2000 m 011
 Large tree fern Canva 1650 m 015
 at La Esperanza
 Coffee drying 200 M
 at San Motel ~~for~~ Getya
 Valle Nacional (Ross) food 2,500
 (4037 mi)
 Camp in hacienda 90 M Finca San Jose del Rio 24055
 17 MI. NE Valle Nacional
 embankment on bank of trees and posts supporting wire enclosing
 a grassy pasture. Several adult ♀, some young small Cheliarica

Jan 10 toll (Ron) 1500
 Fruit (RON 500 Ed 1000)
 San Orizaba 50,000 Ron 2,500 Ed
 tip Ed 1000
 toll (Ron) - - - - - 1100
 toll (Ron) - - - - - 5800
 toll (Ron) - - - - - 2800?
 Motel (Ed) Pachuca - - - - - 17,000

Jan 11
 Hwy 105 toward Tampico from Pachuca
 cactus shrubs 419 1650 m
 ↑
 above Mezitlan 424 mi

Jan 11 Big view 453 1900 m → Nonoalco
 strata Coal area
 Pine profile below 1450 m
 Top view of town Molango 1500 m
 Gas Ed 5000 Ron 43,000
 Mistletoe + man just below "
 Flower C.G. 1200 PM

Tehuacan 512 mi
 Gas Aldama 30,000 (ED)
 (700 mi) ↑

Camp in Rancho 13 mi N. Aldama 225 m
 low hills dense natural scrub on volcanic rock
 Small brick red ♀ embryos in galleries under lichens
 and dry fence post bark. Under side lichens on
 dry, cut branches. Several adult ♀♀ and tiny young
 Area gets first rains in June, peaks in August
 ends in October. This is cold, dry season

Jan 12 Left Rancho at 7:00

Qui Son Fernando = embiid stop ~~125 mi~~ *Amiscombia texana* 1 adult ♂
 several ♀ + nymphs ^{long dry branch}
 125 mi. bark.
 Texas — Lubed & oil → 22.74 ED
 Bridge toll (Ed) 90 ¢
 Beer + pop (Ron) ————— 11.41
 (Groceries for Ed only) Rancho ———— 23,976 p
 Lunch (Ed only) ————— \$ 2.93
 Gas Carizo Springs (Ed) 21.85

Jan 13 Friday

Camped free last night in Carizo Springs

Start 6:15 a.m.

Breakfast Eagle Pass	2.84	17.08
Alternator repair (Ron)	8.00	
Windshield wipers Del Rio (Ron)	4.79	
Wiper arm (Ron)	4.29	
Gas Sanderson (Ed)	25.00	
Gas Las Cruces (Ed)	27.30	
Dinner & "tip"	7.74	
Motel 6 Las Cruces (Ed)	32.03	

Jan 14 Sat Left Las Cruces 6:30	Breakfast	2.78
Gas Pecos (Ed)		25.26
Gas Claudio (Ron) 26419	VISA	29.00
Dinner (ed only) Palmdale		7.67
2 Milk shakes (Ron)		2.74
Motel Palmdale (Ed cash)		31.67

~~Start mileage 2593~~

Jan 15 Left Palmdale 6:30 7:00		
Breakfast		7.04
Gas Lost Hills Ed		28.68

12.79
4.29
17.18

14 67
700
767